

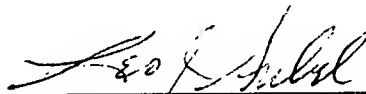
Remarks:

Claim 18 (based on previous claim 6) is patentable as indicated in the first Office Action. Claim 18 provides all the limitation of previous claim 2, and in addition it now specifically recites that the each said selected route comprises  
5 a path that alternates between blind nodes and bases as recited in previous claim 6.

Claim 19 is patterned after previous claim 17, and patentable in that the limitation has been added that both sites (nodes) have antenna beams. As noted in the Office Action,  
10 Chang, US Patent No. 5,890,067 teaches the selection of antenna patterns, but Chang does not suggest or teach the selection of antenna beam patterns by combining pairs of beams to select the highest pair by eliminating the weaker pairs.

In view of the above, the two claims now in the case are  
15 believed patentable. Favorable action on claims 18 and 19 is earnestly solicited.

Respectfully submitted,



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Appendix A  
clean copy of claims

18. In a multi-node, multi-remote radio telephone communications system including cellular radio systems wherein the mobiles transmit in a first band and receive in a second band, and the bases transmit in said second band and receive in said first band, a routing system of call connection and call routing comprising the following;

a) routing tables to permit different destinations for different calls selectively based on telephone number indications;

b) multiple blind nodes, each of which comprises a combination of a repeater and routing tables, said blind nodes using said routing tables to selectively communicate with bases sites required to establish the selected routes;

c) said blind nodes transmitting in the band used for transmission by the mobiles;

d) said blind nodes receiving in the band used for receiving by the mobiles; and

e) each said selected route comprising a path that alternates between blind nodes and bases;

whereby the entire system performs in a limited number of bands of frequencies.

19. In a multi-node, multi-remote radio telephone system including cellular radio systems, a method of call connection and call routing between nodes comprising,

a) using destination number designations and routing tables to select different routes for different calls;

5        b) utilizing directional or beam antennas for communications between nodes;

c) providing a first set of beams from a first node and providing a second set of beams from a second node, a beam from the first node and a beam from the second node comprising a pair;

10       d) measuring the signal strengths created by pairs of beams;

e) selecting a beam pair with the highest signal for communication, by eliminating beam pairs that have the weaker  
15       signals,

whereby selected routes include matched antenna beam pairs.